ASME
SETTING THE STANDARD

IMECE INDIA 2025

IMECE INDIA 2025

SHOW REPORT

Follow Our Digital Journey

info-India@asme.org www.asme-india.org/imece

Welcome Message

Over four dynamic days in Hyderabad, more than 2,000 professionals, researchers, students, and industry leaders gathered to share knowledge, spark innovation, and forge partnerships that will endure for years to come. The sheer scale of participation, the quality of technical contributions, and the diversity of voices underscored India's emergence as a global hub of engineering excellence and ingenuity.

I want to sincerely thank each of you for being part of this remarkable journey. Together, let us continue to push boundaries, inspire innovation, and engineer solutions that transform lives and communities around the world

As we look ahead, the spirit of IMECE India lives on, energized by your participation, your passion, and your pursuit of excellence. Let the momentum we've built here in 2025 carry us forward into the next chapter.

We are already excited to welcome you to IMECE India 2026, where new ideas will emerge, new voices will rise, and the power of engineering will once again unite us in purpose and progress.

With warm regards,
Madhukar Sharma
President and Director, ASME India

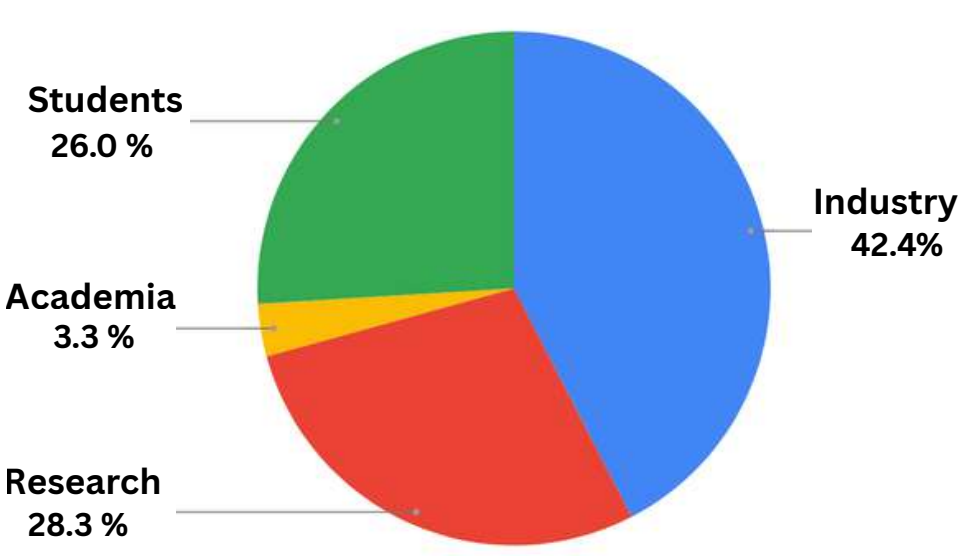
Table of Content

Overview

History was made on September 10, 2025, when ASME's International Mechanical Engineering Congress & Exposition (IMECE) opened its doors in India for the first time. The Hyderabad International Convention Centre became the stage for a landmark moment in global engineering: the first time this prestigious congress ventured beyond American soil to embrace the vibrant engineering ecosystem of India.

The Three Pillars

- Sustainability in Action
- Inclusivity in Focus
- Innovation Ignited



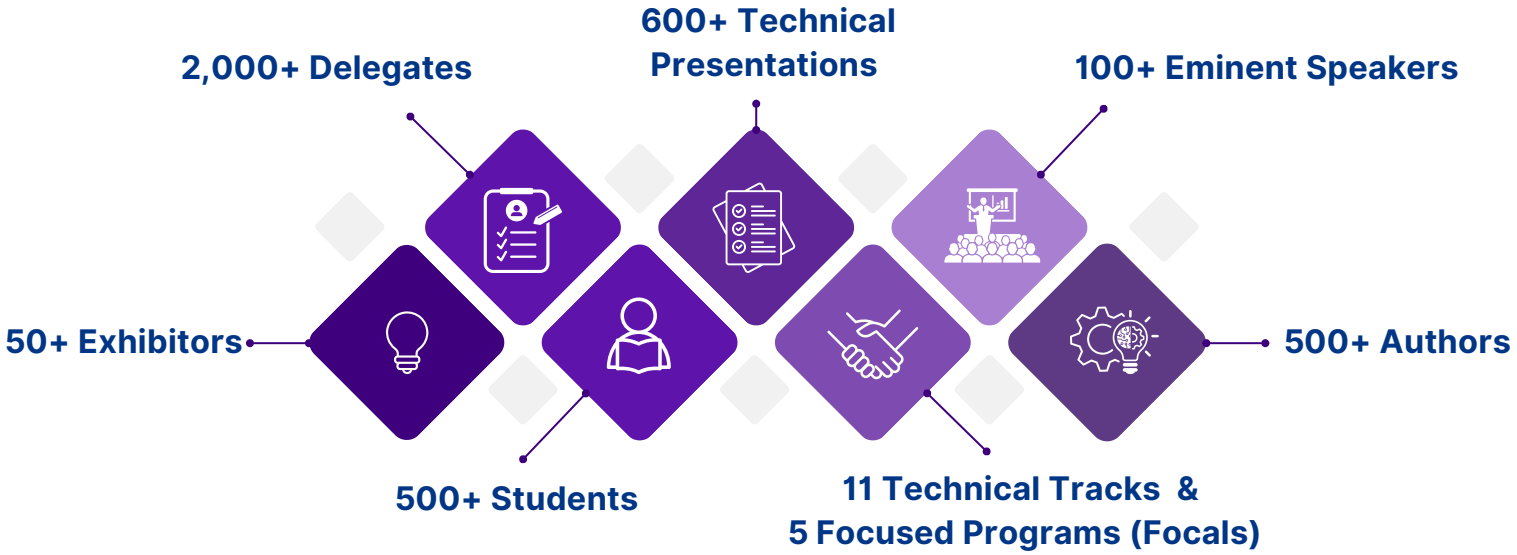
Opening Remarks
Dr. Kanakasabapathi Subramanian

Dr. Kanakasabapathi Subramanian, Senior Vice President- Engineering and R&D, of Ashok Leyland Limited and **Congress Chair of ASME IMECE India 2025**, delivered opening remarks that captured both the significance of the moment and his personal perspective on engineering's interconnected nature.

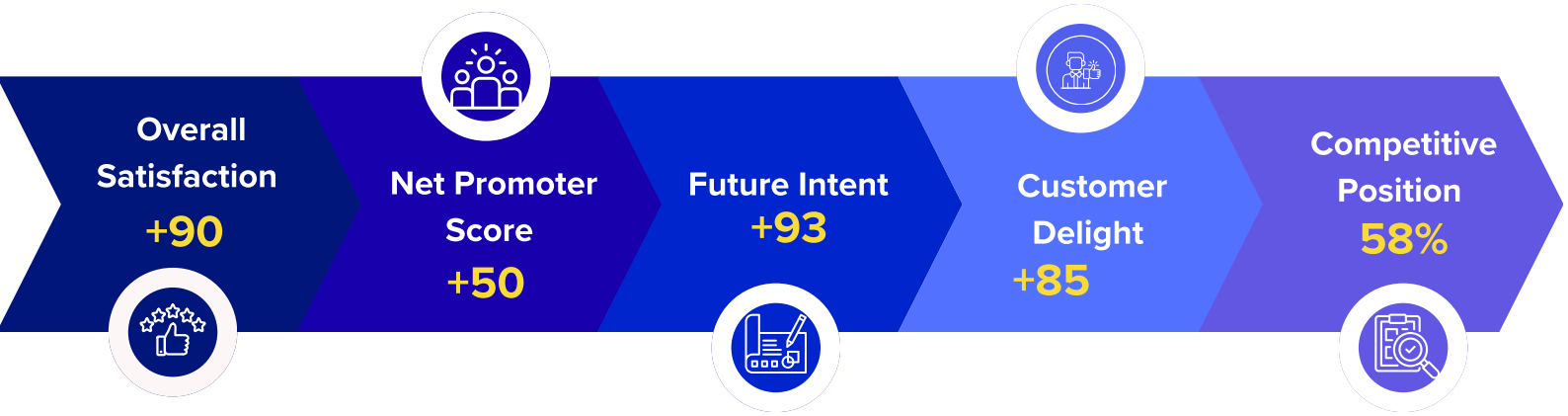
Dr. Subramanian emphasized the interconnectedness of various scientific fields, from materials science to biology, and how mechanical engineering sits at the nexus of these disciplines. He highlighted the historical significance of hosting the conference in India, a nation with deep engineering traditions now positioned to lead in emerging technologies.

Dr. Subramanian said IMECE India is more than a conference, it is a platform for lifelong partnerships and technological leadership.

By the Numbers
The Scale of IMECE India 2025



IMECE India 2025 Netted Stellar KPIs



What Delegates Have to Say!

Perhaps the best event that has happened in the country for a very long time which had the participation of Industry leaders, Practicing engineers, and aspiring students

- Delegate

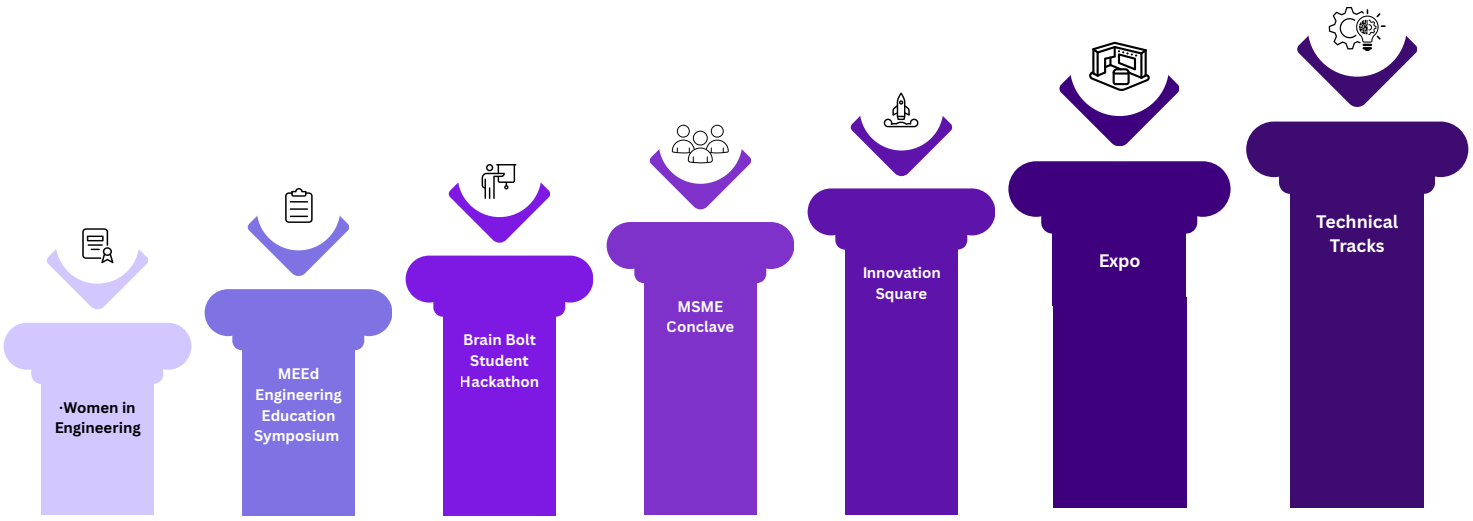
The sessions were highly informative and insightful. I gained valuable knowledge and would be glad to attend similar conferences in the future.

- Author/Presenter/ Invited Speaker

It's a well organized and well conducted international conference. One must attend such conference. However, I would like to suggest to arrange some expert lectures on the recent advances along with the panel discussion.

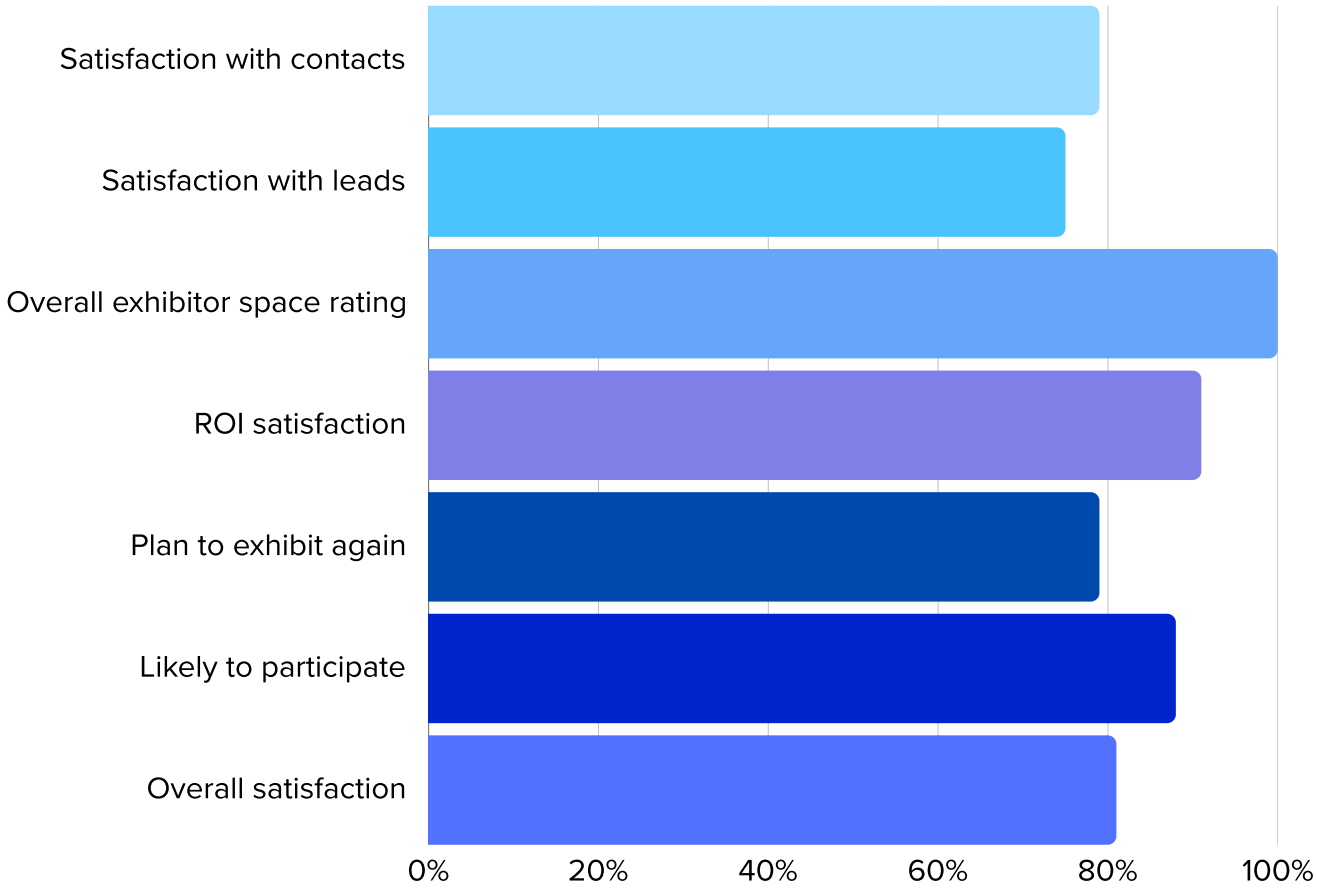
- Delegate

Primary Areas of Interest at IMECE India 2025



Nine in ten said they were satisfied, more than half were “very satisfied.”

IMECE India 2025 Exhibitor Satisfaction Matrix



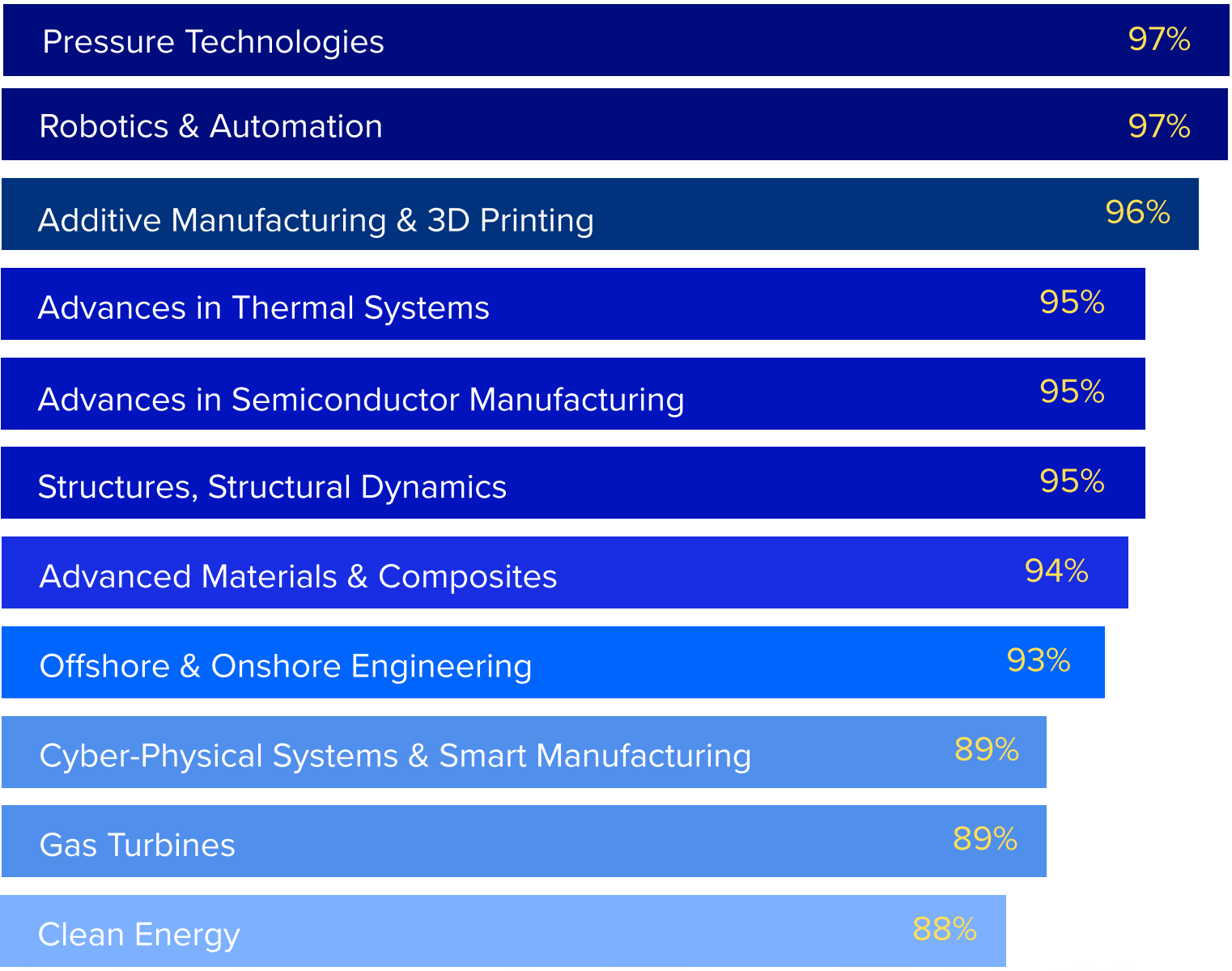
IMECE INDIA 2025 delivered high exhibitor satisfaction, 80% exhibitors are planning to return in IMECE India 2026

IMECE INDIA 2025 Technical Track Excellence

Most technical tracks were rated very high, with standout scores in Pressure Technologies, Robotics & Automation, and Additive Manufacturing & 3D Printing.

Average Rating Across Tracks: 93%

Tracks Rated Above 95%: 6 of 11



ASME | IMECE INDIA 2025

#IMECEINDIA2025

Don't Miss the 5 Focals!

- FEME Flex
- Innovation Square
- Brain Bolt: The Student Engagement
- MSME Conclave
- Engineering Education Symposium

Join us & Register Now

VENUE
HICC,
HYDERABAD, INDIA

DATE
10 - 13 SEPTEMBER

Key Event Tracks

01	Additive Manufacturing & 3D Printing
02	Advanced Materials & Manufacturing Technologies
03	Advances in Thermal Technologies
04	Advances in Semiconductor Manufacturing
05	Clean Energy Technologies & Systems
06	Cyber Physical Systems + AI / ML
07	Gas Turbines
08	Pressure Technologies
09	Robotics & Automation
10	Structures, Structural Dynamics & Materials
11	Offshore Onshore Pipelines Transmission & Distribution System

Follow us on
ASME India in ASME India

For more information, contact us at xxx

Reception Dinner

10 September 2025

The IMECE India 2025 Reception Dinner brought together global engineering leaders from Industry Academia and Research for an evening that celebrated India's accelerating role in the world's technological landscape. Hosted by ASME, the event served reaffirming its commitment to nurturing a vibrant, collaborative engineering community to solve the greatest challenges faced by the world.

The evening featured meaningful exchanges amongst the diaspora gathered underscoring India's emergence as a hub for advanced engineering, manufacturing, and future mobility.

Address by Dr. N. Kalaiselvi at ASME IMECE India 2025 Reception Dinner

At the ASME IMECE India 2025 Reception Dinner, Dr. N. Kalaiselvi , Secretary DSIR and Director General CSIR, Govt of India expressed gratitude to ASME for bringing the event to the India soil for the first time. She remarked that India offers a unique convergence of culture, science and technology, noting that "Engineering is not just a mindset, but a launch vehicle that transforms science into technology."

Dr. Kalaiselvi highlighted India's growing engineering landscape and emphasised that "Sciences aerospace, mobility,

and advanced manufacturing.

While acknowledging CSIR's ongoing advancements, she briefly noted their work across civilian aerospace, e-mobility, assistive healthcare technologies, and next-generation systems, positioning these as opportunities for deeper collaboration. She stressed that platforms like IMECE enable Indian research institutions, industry, and global bodies to converge and explore pathways to collaborate meaningfully.

Recognising the presence of industry leaders, she said that such partnerships elevate confidence in India's engineering future, reiterating CSIR's readiness to co-create impactful technologies with ASME and its network.

She concluded by stating that "Wherever mobility drives civilisation forward, engineering must lead," inviting ASME and its members to jointly shape success stories for the global engineering community.

Keynote Address

11 September 2025

Guest of Honor:
Mr. Baba Kalyani, Bharat Forge Limited

Mr. Baba Kalyani, Chairman & Managing Director of Bharat Forge Limited, took the stage as Guest of Honor at IMECE India 2025, bringing decades of experience bridging Indian manufacturing with global innovation. His keynote address wove together personal journey, industrial evolution, and national aspiration into a compelling narrative about India's path forward.

India's Manufacturing Evolution and ASME's Role

Reflecting on India's industrial journey, Mr. Kalyani discussed the country's early adoption of automation, robotics, CNC control systems, and simulation in the mid-1970s.

Throughout this evolution, Mr. Kalyani highlighted the importance of the American Society of Mechanical Engineers (ASME) in providing knowledge and information to Indian technocrats. ASME wasn't just a standards organization, it was a knowledge bridge that helped Indian engineers understand and implement global best practices.

India's Economic Trajectory and the $30 Trillion Vision

Mr. Kalyani situated India's current moment within a larger economic narrative. India's economy stands at $4.2 trillion today, but the nation aspires to reach $30 trillion by 2047, the centenary of independence. This ambitious target isn't merely aspirational, it reflects India's demographic and educational advantages.

Mr. Kalyani noted that India's current economic status resembles China's position in 1990. Over the subsequent 34 years, China transformed itself through rapid urbanization and infrastructure development. Mr. Kalyani shared his personal experience of investing in factories in China and witnessing this transformation firsthand. The implication was clear: India stands at a similar inflection point, with the potential for comparable transformation.

"I'm quite amazed to see the depth and breadth of technology and knowledge that is on display here," Kalyani remarked, "right from advancing research to creating frameworks to accelerate deployment of clean energy. I consider ASME very special and very close to me."

The 2025 Holley Medal

In recognition of his substantial contributions to engineering, advanced manufacturing, environmentalism, philanthropy, and visionary industry leadership, ASME honored Mr. Baba Kalyani with the prestigious 2025 Holley Medal. The Holley Medal, one of ASME's highest honors, recognizes individuals who have made extraordinary contributions to the mechanical engineering profession.

Keynote Address

12 September 2025

Keynote Address:
Mr. Pawan Kumar Chandana, Skyroot Aerospace

Mr. Pawan Chandana, Co-Founder and CEO of Skyroot Aerospace, brought a founder's energy and a technologist's vision to his keynote address, painting a picture of India's emerging role in the global deep tech revolution. Mr. Chandana embodied the audacious ambition of India's new deep tech entrepreneurship.

Skyroot Aerospace: A Founder's Journey

Mr. Chandana's personal journey with Skyroot Aerospace illustrated both the possibilities and challenges of deep tech entrepreneurship in India. As a mechanical engineer with a vision to build India's largest aerospace company, he faced skepticism from many quarters. The early days were marked by lack of funding and policy support. The space sector had long been the exclusive domain of ISRO, and the idea of a private company building rockets seemed far-fetched to many.

Yet Skyroot persisted. The company has raised $100 million in capital and built two factories in Hyderabad.

The successful launch of the Vikram rocket marked a historic milestone: India's first privately developed and launched space vehicle. Skyroot's plans extend far beyond this achievement. The company aims to build larger rockets capable of human and cargo missions, positioning itself to serve the growing commercial space market.

Skyroot is delighted to be a part of IMECE India 2025, and we look forward to such platforms that give India a global stage to showcase innovation, *Mr. Chandana concluded, his words capturing the spirit of a generation determined to write a new chapter in India's technological story.*

India's Deep Tech Awakening

Mr. Chandana opened with a striking statistic: **45% of ChatGPT users are Indian.** This single data point underscored India's technological prowess and digital adoption. But he was quick to note the paradox, while Indians eagerly consume technology, India remains heavily reliant on imported high-tech products.

Foundations of India's Growth

Mr. Chandana outlined the India's startup ecosystem reflects this energy. With 1.8 lakh startups, India hosts the third-largest startup economy globally. This ecosystem has been catalyzed by progressive government policies, particularly in traditionally closed sectors. The space tech policy and the opening of strategic sectors to private innovation have unlocked entrepreneurial energy previously constrained by regulatory barriers.

Plenary Panels

Day 1 Plenary Panel

The Day 1 plenary panel on **"Advancing Research: Creating Vibrant and Enabling Research Architecture for Rapid Technology Development and Deployment"** brought together leaders from academia, government, and industry to discuss challenges and opportunities in India's R&D ecosystem.

PANEL SPEAKERS

- Chair & Moderator - Dr. Kanakasabapathi Subramanian, Chair, ASME IMECE INDIA 2025 & Senior Vice President- Engineering and R&D, Ashok Leyland Limited
- Dr. Yogi Goswami, Distinguished Professor & Director, Clean Energy Research Center, University of South Florida
- Dr. Shivkumar Kalyanaraman, CEO, Anusandhan National Research Foundation, Government of India
- Dr. Jitendra Sharma, MD & CEO, AMTZ (Vizag)
- Dr. Jocelyn Gaudin, Head of Engineering, Airbus India
- Dr. Sasikumar Muthusamy, Senior Director, Global Engineering, Collins Aerospace

Day 2 Plenary Panel

The Day 2 plenary panel on **"Advancing New Energy: Creating Vibrant and Enabling Infrastructure for Rapid Green Hydrogen Technology Development and Deployment for Clean Energy Transition"** addressed India's clean energy transition challenges.

PANEL SPEAKERS

- Chair & Moderator- Dr. N. Saravanan, Chief Technology Officer, Ashok Leyland Limited
- Dr. Anshuman Awasthi, Senior Vice President, Mercedes Benz R&D India
- Mr. S Jayachandran, Senior Vice President, Reliance Industries Limited
- Mr. Soumendra Banerjee, Director, New Energy Initiatives, Honeywell UOP India
- Dr. Ritwick Ghosh, Manager, RE/H2 Energy, NTPC Limited

SPOTLIGHT SPEAKERS

Shri Srinivas Kondapalli
Hon'ble Minister for MSME
Govt. of Andhra Pradesh

Shri Tammireddy Sivasankara Rao
Chairman, AP MSME
Development Corporation

Dr. Kalaiselvi N
Director General, CSIR &
Secretary, DSIR

Mr. Thomas Costabile
Executive Director & CEO
ASME

Dr. Lester Su
President (2025-2026)
ASME

Dr. Jitendra Sharma
MD & CEO
AMTZ Vizag

Dr. N. Yuvaraj, IAS
Principal Secretary,
Industries & Commerce
Govt. of Andhra Pradesh

Dr. G. D. Yadav
National Science Chair
SERB, Govt. of India

Dr. Mahentesh Hiremath
Past President (2021-2022)
ASME

Dr. N. Saravanan
Chief Technology Officer &
President, Ashok Leyland
Limited

Mr. Vipin Sondhi
Chairman, National Board
for Quality Promotion
(NBQP)

Mr. Soumendra Banerjee
Director, New Energy
Initiatives, Honeywell UOP
India

Ms. Susan Ipri-Brown
ASME Past President

Dr. Shailaja Donempudi
Distinguished Scientist
CSIR India

Ms. Shalini Singh
CEO, Capital Goods &
Strategic & Skills Council

Mr. Rajesh Kumar Adla
CEO
AIC T-Hub

Ms. Meera Ravi
COO
Viyoma Manufacturing

Dr. Yogi Goswami
Distinguished Professor
& Director, Clean Energy
Research Center USF

Mr. Chirala Pandu Ranga Rao
Sr. Vice President-Technical
Operations and Strategic
initiatives Altair

Dr. Kanakasabapathi Subramanian
Chair, ASME IMECE INDIA
2025 & Sr. Vice President,
Ashok Leyland Limited

SPOTLIGHT SPEAKERS

Dr. Shivkumar Kalyanasundaram
CEO, Anusandhan National Research Foundation, Govt of India

Ms. Geetha Ramamoorthi
Managing Director KBR Inc.

Dr. Jocelyn Gaudin
Head of Engineering
Airbus India

Mr. Chandramouli
General Manager
SIDBI

Mr. Rishikesh Patankar
VP
NSDC

Dr. Shankar Venugopal
Vice President
Mahindra

Mr. Satish Gokhale
Founder Director
Design Directions Pvt. Ltd

Mr. Sachin Laxman Pol
Director - Head Design & Training | Express Engineering Solutions

Mr. Saishyam Narayanan
CEO, IIT Palakkad Technology IHub Foundation (IPTIF)

Dr. M. Parvez Alam
Executive Director
CIIC & AIC – CIIC

Mr. Abhimanyu Kumar Singh
Technical Leader, Academic, Ansys India-ASEAN ANSYS

Ms. Febin MF
Head
L&T Edutech

Mr. Dhiraj Kumar Sinha
Venture Capitalist and Angel Investor

Mr. Johnson Jayakumar
Manager Welding
TWI India Pvt Ltd

Dr. Kavi Arya
Professor, Computer Science & Engineering Dept
IIT Bombay

Kavitha Kalaiselvi P
Director
Talentegrity Consulting Services LLP

Dr. Kishora Shetty
Associate Technical Fellow, Materials & Manufacturing Technology | Boeing India

Mr. Manivannan Muniyandi
Professor
IIT Madras

Ms. RimZhim Gupta
Sr. Applied Scientist (R&D)
Paandav Application

Ms. Shraddha Kale
Founder
Zephdroids UAVs

SPOTLIGHT SPEAKERS

Mr. Rohit Bhattacharjee
Customer Success Engineer
MathWorks India

Mr. Vijay Singh
CEO and Managing Director
Shunya Fodder And Forage Agritech Private Limited

Dr. Ashok Varghese
Pro Chancellor
Hindustan Institute of Technology and Science

Dr. Vinay Ramanath
Principal Expert R&D
Siemens Technology

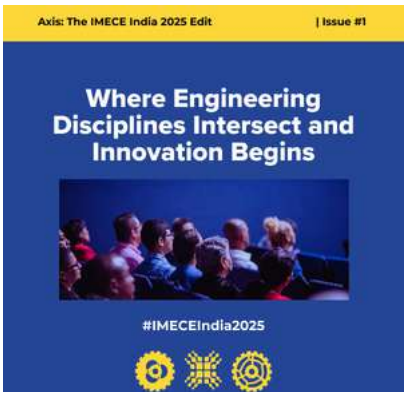
Mr. Varadarajan Krishna
Cofounder - The 100 Open Startups

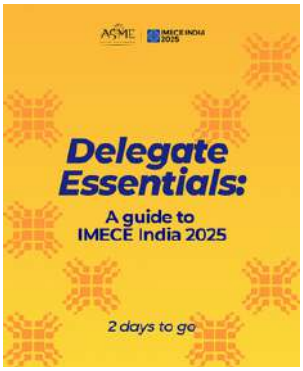
Mr. Souvick Chatterjee
Technical Manager, Customer Success Engineering, MathWorks, India

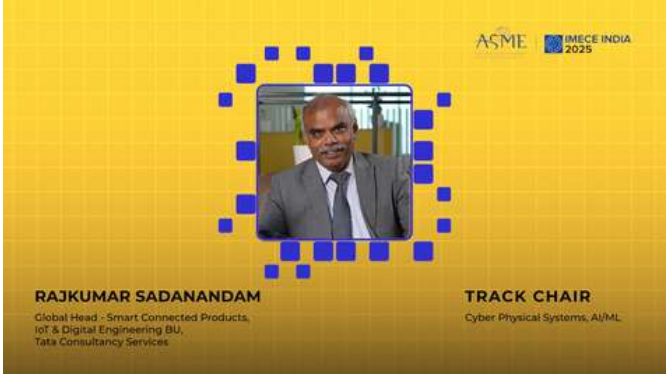
Mr. Sathish Murugan
Manager-ANDT
TWI India Pvt Ltd

Mr. Alex Tan
Director - Asia Pacific
ASME

Our Social Media Amplification: At a Glance







EXPRESS READ

TG creating enabling ecosystem for startups, MSMEs to thrive, says IT spl chief secretary

Hyderabad: The departments of IT and Industries and Commerce are driving Telangana's emergence as a hub for innovation, technology and entrepreneurship, said IT special chief secretary Sanjay Kumar. "With progressive policies, robus infrastructure and strong industry collaboration, we are creatin an enabling ecosystem for startups, MSMEs, and global enterprises to thrive," Sanjay Kumar said while addressing the American Society of Mechanical Engineerir Srinivas Kondapal government, Pawan K Aerospace, Madhukar S India and othe

Shaping India's workforce for the future of work

IMECE India 2025 Unites Research, Industry, and Academia for F ring Dialogue with collaborations from Andhra Pradesh & Telang

AP EMERGING AS GATEWAY TO EAST, SAYS SRINIVAS

DC CORRESPONDENT
VIJAYAWADA, SEPT. 12

MSME, SERP and NRI Relations minister Kondapalli Srinivas outlined Andhra Pradesh's industrial and innovation roadmap at the International Mechanical Engineering Congress & (IMECE) India anised by ASME derabad on Friday. ister declared that $166 billion GSDP, and three interna- irports, Andhra emerging as a gate- East. Highlighting Family. One eur mission, he at MSME parks will y 2027 in each of the uencies in AP.

detailed the incen- ilable under the Entrepreneurship ent Policy 4.0. He ut the Ratan Tata Hub at Amaravati, by five regional e pointed out that n clean energy proj- been cleared in the He went on to high- state's semiconduc- tor, IT and quantum technolo- gy initiatives.

The minister invited global investors to the Partnership Summit 2025 in Visakhap- atnam from November 14 to November 5.

ప్రజాశక్తి

ముగిసిన అంతర్జాతీయ ఇంజనీరింగ్ సదస్సు

హైదరాబాద్ : అమెరికన్ సొసైటీ ఆఫ్ మెకానికల్ ఇంజనీర్స్ హైదరాబాద్‌లో మూడు రోజుల పాటు నిర్వహించిన ప్రపంచస్థాయి ఇంటర్నేషనల్ మెకానికల్ ఇంజనీరింగ్ కాంగ్రెస్ అండ్ ఎక్స్‌పోజిషన్ ఘనంగా ముగిసిందని నిర్వాహకులు తెలిపారు. దేశంలోనే తొలిసారి దీన్ని ఇక్కడ ఏర్పాటు చేశామన్నారు. హెచ్‌ఐసీసీలో సెప్టెంబర్ 10 నుంచి 13 వరకు మూడు రోజుల పాటు జరిగిన ఈ కార్యక్రమంలో ప్రపంచవ్యాప్తంగా 500 మందికి పైగా స్పీకర్లు, 1,500 మంది ప్రతినిధులు, 75 మంది ప్రదర్శనకారులు పాల్గొన్నారని ఆ సంస్థ అండ్ ఎక్స్‌పోజిషన్ ఘనంగా ముగిసిందని నిర్వాహకులు తెలిపారు. దేశంలోనే తొలిసారి దీన్ని ఇక్కడ ఏర్పాటు చేశామన్నారు. హెచ్‌ఐసీసీలో సెప్టెంబర్ 10 నుంచి 13 వరకు మూడు రోజుల పాటు జరిగిన ఈ కార్యక్రమంలో ప్రపంచవ్యాప్తంగా 500 మందికి పైగా స్పీకర్లు, 1,500 మంది ప్రతినిధులు, 75 మంది ప్రదర్శనకారులు పాల్గొన్నారని ఆ సంస్థ అధికారులు వెల్లడించారు. ఇంజనీరింగ్ విభాగాలలో ఆవిష్కరణలు, సుస్థిర పరిష్కారాలు, అంతర్జాతీయ సహకారం వంటి అంశాలపై ఈ సదస్సులో లోతైన చర్చలు జరిగాయన్నారు.

Date: 2025-09-14, Edition:Telangana, Pg.No: 2
Source: https://epaper.prajasakti.com

INDIAN EXPRESS Sat, 13 https:/

ముగిసిన

حیدرآباد میں انٹرنیشنل میکانیکل انجینئرنگ کانگریس کا انعقاد

صنعتوں کے قیام کے لئے سہولتیں فراہم کی جائے گی۔ آندھرا کے وزیر سریناس کا اعلان

ASME's IMECE India 2025 Unites Research, Industry, and Academia for Futuristic Engineering Dialogue with collaborations from Andhra Pradesh & Telangana Govts

Hyderabad, Sep 12:

ME, ICT Academy of Kerala up to boost R&D

ement signed at maiden International hanical Engineering Congress & osition (IMECE) India 2025 at erabad

Hyderabad Bureau

Press Coverage: At a Glance

ASME ఇన్ IMECE ఇన్‌డియా 2025, ఆంధ్రప్ర ప్రదేశం మరియు తెలంగాణా ప్రభుత్వాల సహకారంతో ఇంజనీరింగ్ విద్యలో పరిశ్రమ సహకారాన్ని బలోపేతం చేయడానికి

ASME இன் IMECE இந்தியா 2025, ஆந்திரப் பிரதேசம் மற்று தெலுங்கானா அரசாங்கங்களின் ஒத்துழைப்புடன் கல்வித்துறையை ஒன்றிணைக்கிறது

ASME's IMECE India 2025 Bridges Research, Industry, and Academia in Hyderabad

Hyderabad, September 12, 2025 – The American Society of Mechanical Engineers (ASME) hosted its first International Mechanical Engineering Congress & Exposition (IMECE) India 2025 in Hyderabad, spotlighting sustainability, innovation, and academia-industry collaboration. Supported by the governments of Telangana and Andhra Pradesh, the congress featured keynotes, policy dialogues, and showcases like Innovation Square and the Engineering Education Symposium. Leaders including Shri Srinivas Kondapalli and Shri Sanjay Kumar highlighted India's growing role in manufacturing, MSMEs, and clean energy. With global participation, IMECE India 2025 provided a transformative platform to foster future-ready skills, research, and sustainable industrial growth.

ముగిసిన అంతర్జాతీయ సదస్సు

मैकेनिकल इंजीनियरिंग सम्मेलन आयोजित

शाह टाइम्स संवाददाता

नई दिल्ली। अमेरिकन सोसाइटी ऑफ मैकेनिकल इंजीनियर्स ने आज अपना प्रमुख अंतर्राष्ट्रीय मैकेनिकल इंजीनियरिंग सम्मेलन और प्रदर्शनी इंडिया 2025 का आयोजन किया। हैदराबाद में इसका आयोजन पहली बार किया गया। इस सम्मेलन में प्रेरक भाषणों और नीतिगत विचारों द्वारा इंजीनियरिंग और नवाचार में भारत की अग्रणी भूमिका पर प्रकाश डाला गया।

इस सम्मेलन में शोध, शिक्षा और उन्नत विनिर्माण में सहयोग को मजबूत करने के उद्देश्य से एएसएमई और केरल की आईसीटी अकादमी के बीच एक सहमति ज्ञापन पर हस्ताक्षर किए गए। मुख्य अतिथि श्रीनिवास कोंडापल्ली, मंत्री, एमएसएमई, आंध्र प्रदेश सरकार, ने कहा, मैं इस कार्यक्रम में शामिल होकर, खुद को गौरवान्वित महसस कर रहा हूँ। अपने मजबूत बुनियादी

11 Technical Tracks

The Technical Heart of IMECE India 2025

The real heart of IMECE India 2025 wasn't in the main hall of HICC, but in the 11 technical tracks - a whirlwind of over 650 papers presented by more than 400 speakers. If you wanted to understand where mechanical engineering is headed, you had to be in one of the 11 technical tracks at IMECE India 2025.

The Tracks

Additive Manufacturing & 3D Printing

In the Additive Manufacturing track, we followed the entire story of an idea being born. Presenters got into the real nuts and bolts: choosing the right materials, simulating how a part will behave before you even print it, and figuring out the best way to process it when it comes off the machine. It was a deep dive into how 3D printing is speeding up development and opening new doors for industries from automotive to medical devices.

Advanced Materials & Manufacturing Technologies

This massive track was all about the powerful feedback loop between the materials and production technologies. What was truly exciting was seeing how these advanced manufacturing methods are creating a playground for material scientists to invent things that were previously impossible. The discussions spanned Industry 4.0 manufacturing techniques, and the convergence of materials science with manufacturing processes.

Advances in Thermal Technologies

Presentations covered thermal management in electronics, energy-efficient HVAC systems, thermal storage solutions for renewable energy integration, and advanced heat exchanger designs. The key takeaway this isn't just a niche discipline anymore, it's on the front line of the fight against climate change.

Advances in Semiconductor Manufacturing

Given India's massive push into the global semiconductor race, the track focused on advanced processes, process tools, yield improvement, defect inspection, and the role of AI in enhancing manufacturing efficiency.

Advanced Clean Energy Technologies & Systems

This track was all about the engineering behind India's massive bet on a clean energy future. The track addressed the challenges of energy storage solutions, hydrogen production and utilisation, advanced nuclear reactor designs, and the role of clean energy in industrial decarbonisation.

Cyber Physical Systems + AI/ML

This track was all about one of the most exciting ideas in modern engineering: what happens when you give a brain to the machines? Sessions explored digital twins and simulation, machine learning for predictive maintenance, autonomous systems and control, and the convergence of cyber and physical domains.

Gas Turbines

You might think of the gas turbine as old-school technology, the brute force behind jet engines and power plants but the sessions covered everything from advanced combustion systems to integration with renewable energy systems. Presentations examined large-scale turbines and aerospace propulsion.

Pressure Technologies

This track was a powerful reminder that our entire industrial world runs on pipes and tanks. The sessions focused on vessel design and analysis, piping systems and components, materials, safety and risk assessment, and codes development.

Robotics and Automation

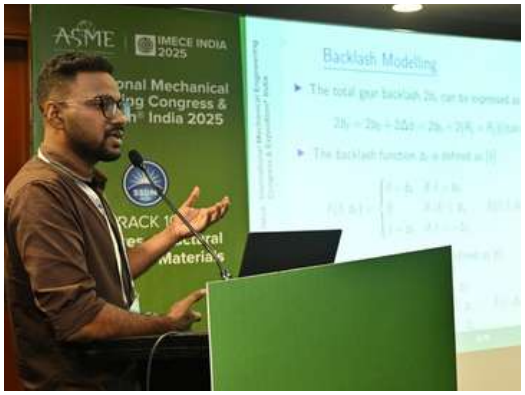
Robotics and automation are no longer just concepts for the factory of the future, they're truly here and spreading everywhere. Whether it's a mobile robot weaving through the warehouse or a "cobot" working with human technicians, the game has completely changed. We're talking about robots assisting in the operating room and helping in agriculture.

Structures, Structural Dynamics & Materials

This track delivered trailblazing innovations in structural analysis, vibration dynamics, and advanced materials characterization. The discussions emphasized that while structural engineering continues to evolve with new materials, computational capabilities, and sensing technologies that enable structures that are stronger and more durable.

Offshore, Onshore Pipelines Transmission & Distribution Systems

This track delved into the full lifecycle of pipelines, from innovative materials and design engineering to operations, maintenance, and integrity management. Sessions addressed corrosion prevention and control, pipeline maintenance for new energy carriers including hydrogen.



Aviation

The discussions on aviation painted a picture of a sector undergoing a complete systems-level reinvention. The challenge is no longer just about building a more efficient engine, but about how new propulsion systems (Gas Turbines), revolutionary lightweight materials (Advanced Materials), and intelligent, predictive digital systems (Cyber-Physical Systems + AI/ML) must all work in concert.

Clean Energy

India's ambitious hydrogen goals provided a powerful real-world context for many sessions. The conversations went beyond policy to immense practical hurdles engineers face. The challenge is interconnected problems: how to produce hydrogen efficiently at scale, how to safely contain it under extreme pressure.

Advanced Manufacturing

This theme was visible across multiple tracks, showing how virtual simulation with digital twins (Cyber-Physical Systems + AI/ML) is perfecting products before they exist, how Additive Manufacturing is making previously impossible designs a reality, and how intelligent Robotics are creating a more collaborative factory floor. Together, these tracks highlighted a fundamental shift from programmed production to intelligent, self-optimising systems.

Capital Goods

This area brought to light the foundational engineering that makes modern technology possible. The sessions on Thermal Technologies and Pressure Technologies served as a reminder that many celebrated innovations like electric vehicles and the entire hydrogen ecosystem are completely dependent on managing intense heat and extreme pressure. The discussions framed these disciplines not as legacy fields, but as critical enablers that are being pushed to new limits to support the next wave of technological and energy-related advancements.

5 Focals - Beyond Technical Sessions

While the technical tracks formed the academic backbone of IMECE India 2025, five focused programs, the "Focals," created spaces where different communities could gather, learn, and build connections.

Engineering Education Symposium

The ASME Engineering Education Symposium 2025 tackled a question that's been challenging engineering education for years: how do we make students actually industry-ready? Not just armed with theory, but capable of walking into a company and contributing meaningfully. Over two days, educational thought leaders, industry pioneers, and policymakers delivered practical recommendations to transform engineering education, particularly mechanical engineering, for Industry 4.0.

Student Engagements: Where Theory Meets Practice

The student programs offered participants practical experience with real engineering challenges, connecting classroom learning to actual problem-solving.

Brain Bolt: The Engineers' Sprint

Brain Bolt was a six-hour innovation sprint that kicked off IMECE India on Day 0. The numbers tell part of the story: 49 teams, 238 registered participants with 220 attending, 9 problem statements from 6 organizations, and 14 mentors guiding the teams.

Innovation Square:

Innovation Square was a platform for the hardware startup ecosystem, which faces unique challenges compared to software startups. Hardware requires manufacturing physical products, demanding more capital, longer development cycles, and different expertise.

The Startup Pavilion

The pavilion gave hardware innovators visibility and networking opportunities. Booths from IIT Palakkad, ASME ISHOW winners, Atsuya, Saveetha University, Hindustan University, CTTC, SIDBI, Express Engineering, and Villgro Innovations Foundation created space where startups could showcase their work and connect with potential partners and customers.

Pitchathon:

The Pitchathon was a true test of a startup's viability. After a competitive selection process narrowed the field from 55 applications to 28, the shortlisted founders had to navigate three rounds of intense scrutiny from a six-member jury. The evaluation went far beyond a simple pitch as founders were expected to rigorously defend their technology, provide an analysis of their market, and build a convincing financial case for their business.

MSME Conclave: Empowering the Manufacturing Backbone

MSMEs form the backbone of India's manufacturing economy, yet often lack access to technology, capital, and markets. The MSME Conclave brought together government representatives, financial institutions, technical experts, and MSMEs to address these gaps.

Government Support and Vision

Telangana: The Destination for Industry, a masterclass by Shri Sanjay Kumar, IAS, Special Chief Secretary for Industries & Commerce in the Government of Telangana, explained how the state is creating an enabling environment for manufacturing.

Andhra Pradesh: The Sunrise State, presented by Dr. N. Yuvaraj, IAS, Principal Secretary for Industries & Commerce in the Government of Andhra Pradesh, highlighted opportunities and support available to MSMEs.

These **presentations signaled state-level commitment to building MSME ecosystems,** recognizing that MSMEs create jobs, drive local economic growth, and form critical links in industrial supply chains.

Women in Engineering Panel (FEME FLEX):

The Women in Engineering panel, **"Turning the Gears: Women Shaping the Future of Mechanical Engineering".** Moderated by Susan Ipri-Brown, former ASME President, the panel brought together women at different career stages: Rimzhim Gupta (Senior Applied Scientist, Paanduv Applications), Geetha Ramamoorthi (Managing Director, KBR Inc), Shraddha Kale (Co-Founder & CEO, Zeph Droids UAVs), Meera Ravi (COO, Viyoma Manufacturing), and Chaya T (Senior Manager, Mechanical & Structures Engineering, Boeing).

OUR PARTNERS

STATE PARTNERS

TECHNOLOGY PARTNER

MSME PARTNERS

GOLD PARTNERS

OUR PARTNERS

BRONZE PARTNERS

AIRBUS · Alleima · ANDRITZ · CATERPILLAR · EIL · Honeywell · IndianOil · KBR

TRACK PARTNERS

RigilCYCT · GE VERNOVA · ImageGrafix · LIKHITHA Fueling The Future · THERMAX · VIJAY TANKS & VESSELS (P) LTD.

LANYARD & BADGE PARTNER

JINDAL SAW LTD. TOTAL PIPE SOLUTIONS

DIARY PARTNER

HERO FUTURE ENERGIES planet positive power

ASSOCIATE PARTNER

PEN PARTNER

Bluegrass technologies private limited

ACADEMIC PARTNERS

HINDUSTAN INSTITUTE OF TECHNOLOGY & SCIENCE · NCAM · SAVEETHA ENGINEERING COLLEGE · Ansys part of SYNOPSYS · WADHWANI FOUNDATION · ASME FOUNDATION INDIA

OUR PARTNERS

EXHIBITORS


Inside the ASME Booth: Where Innovation Met Interaction

The ASME Booth at IMECE India 2025 served as a strategic hub of engagement and collaboration, attracting participants, members, and leaders throughout the event. It was not just a showcase of ASME's global presence and initiatives, but also a dynamic space where meaningful interactions, section meetings, and networking sessions unfolded. The booth became a focal point for fostering dialogue between academia, industry, and ASME representatives. A special highlight was the visit of Mr. Baba Kalyani, whose presence underscored the significance of engineering excellence and innovation that ASME continues to champion.

Awards & Recognition

India Pipeline Award Presented to DNEPL

Lakshmi Singh Award Presented to Radhika Dharmadhikari

Conclusion - The Road to IMECE India 2026

When the final session of IMECE India 2025 concluded, and the buzzing corridors of the Hyderabad International Convention Centre began to quieten, one thing was clear: this was more than a conference. It was a declaration. For four extraordinary days, a community of over 2,000 engineers, researchers, entrepreneurs, and policymakers came together not just to discuss the future of mechanical engineering, but to begin building it.

A Community of Gratitude

An event of this scale is only possible through the commitment of a vast and dedicated community. We extend our deepest gratitude to our partners, whose belief in this vision made it possible. Our **State Partners,** the Governments of Telangana and Andhra Pradesh, and our **Technology Partner,** CSIR, provided foundational support. The incredible support from our corporate partners, academic and MSME partners, exhibitors, and the hundreds of volunteers who worked tirelessly behind the scenes was truly humbling.

We are profoundly grateful to the distinguished members of our organizing committee, our track chairs, and the more than 400 speakers who shared their invaluable knowledge. Finally, we thank our 2,000+ attendees. You were the lifeblood of this congress.

Follow Our Digital Journey

@ASME India

@asme.india

info-India@asme.org